

CLAIMS

What is claimed is:

- 5 1. A signal distribution system, comprising:
 a wideband signal distribution system;
 at least one intelligent device that distributes
single frequency carrier RF signals onto said wideband
signal distribution system, wherein the single frequency
carrier RF signals comprise digital information.
2. A signal distribution system, comprising:
 a wideband signal distribution system including
568 standard wiring;
 at least one intelligent device that distributes
single frequency carrier RF signals off of said wideband
signal distribution system, wherein the single frequency
carrier RF signals comprise digital information.
- 20 3. A single carrier frequency RF receiver and sender
intelligent device system for use in transmitting digital
information on an RF carrier through a wideband distribution
network, comprising:

at least one addressable device having at least one input and at least one output;

an intelligent device that communicates with said at least one addressable device a single carrier frequency RF signal carrying at least the digital signal portion thereon;

a COS identification processor that determines the quality of service needed for a digital IP portion of the digital signal portion, and that selects a specific RF carrier based on the quality of service needed.

4. A signal distribution system over a network, comprising:

a wideband signal distribution system;
at least one intelligent device that distributes single frequency carrier RF signals onto said wideband signal distribution system, wherein the single frequency carrier RF signals comprise digital information;

wherein said at least one intelligent device uses an existing media control access layer of the network in order to control the sharing of media channels among multiple addressable devices in the system.

5. A signal distribution system over a network,
comprising:

a wideband signal distribution system;

at least one intelligent device that distributes
single frequency carrier RF signals off of said wideband
signal distribution system, wherein the single frequency
carrier RF signals comprise digital information;

wherein said at least one intelligent device uses
an existing media control access layer of the network in
order to control the sharing of media channels among
multiple addressable devices in the system.

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